Appl. No.: 09/840,600

Amdt. dated: 9/2/2003

Reply to Office Action of July 1, 2003

REMARKS/ARGUMENTS

Upon entry of the instant amendment, claims 1 and 4-19 are pending. Claims 13-15 have

been allowed and claims 4 and 17 have been objected to as depending on a rejected base claim.

Claim 4 has been converted to independent form and thus should be allowable. Claim 17 is

dependent upon claim 4 and thus should also be allowable. Please cancel claim 1. Claim 5 has

been amended to depend on claim 4 and thus should be allowable. Claims 6-12 have been

amended to depend either directly or indirectly on claim 5 and thus should also be allowable.

Claims 16, 18 and 19 have likewise been amended to depend on claim 5 and thus should be

allowable. Based upon the instant amendment, the application should be in condition for

allowance.

Claim Rejections – 35 U.S.C. §112:

Claims 6 and 7 have been rejected based on the limitation "step (d)" in line 1. These

claims have been amended to recite step (c). Claim 5, upon which claim 6 and 7 depend, either

directly or indirectly, has also been amended to provide the antecedent basis for step (c).

Accordingly, this rejection should be obviated.

Claim Rejections – 35 U.S.C. §102:

Claims 1, 5-7, 16, 18 and 19 have been rejected under 35 U.S.C. §102(b) as being

anticipated by Mahon et al. ("A Technique for Modeling S-Parameters for HEMT Structures as a

Function of Gate Bias", IEEE Transactions on Microwave Theory and Techniques, Vol. 40, No.

7, July 1992).

Claim 1 has been cancelled. Claims 5-7, 16, 18 and 19 have been amended to depend on

claims which have been allowed. Accordingly, this rejection should be obviated.

Claim Rejections – 35 U.S.C. §103:

Claims 8-12 have been rejected under 35 U.S.C. §103 as being unpatentable over Mahon

et al. in view of Hirose et al. ("A Possible Scaling Limit for Enhancment-Mode GaAs

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MESFET's in DCFL Circuits", <u>IEEE Transactions on Electron Devices</u>, Vol. 39, No. 12, Dec. 1992). These claims, 8-12 have been amended to depend on allowed subject matter. Accordingly, this rejection should be obviated.

CONCLUSION

All of the rejected claims have been amended to depend upon allowed subject matter.

Accordingly, it is respectfully submitted that the application is in condition for allowance.

Respectfully submitted,

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